



396-001560

Mercury Implement Height Switch Item Number 501-1005

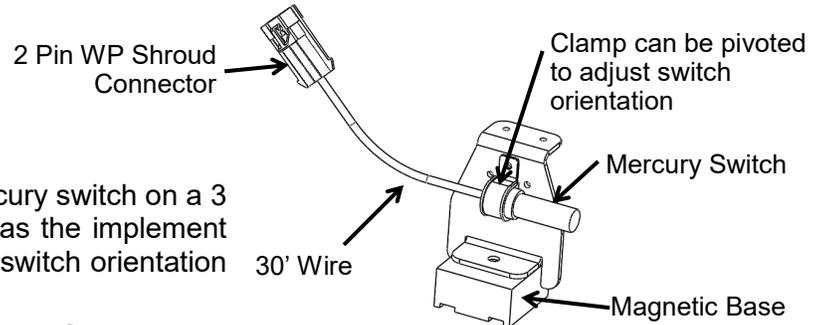
John Deere Rate Controllers

How it Works

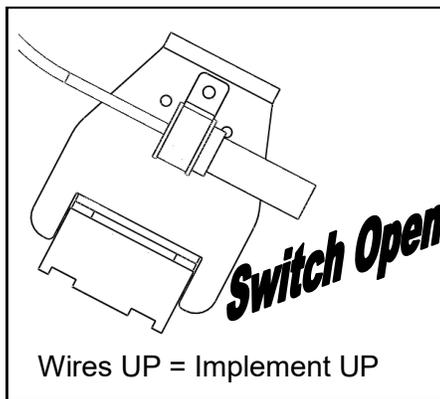
The implement height switch circuit on John Deere rate controllers simply requires a switch to open and close to indicate the implement is raised or lowered. Place the mercury switch on a 3 point arm or wheel frame that changes angle as the implement is raised and lowered. See pictures below for switch orientation in raised and lowered position.

On a GreenStar Rate Controller, check the *Height Switch* box on the Setup > Implement screen. If you are controlling just one system, leave the text box at *Do Not Share*. If you are controlling more than one system, change the text box to *Send Status* on the rate controller to which the height switch is plugged in. On the other system(s), check the *Height Switch* box and change the text box to *Receive Status*.

On the Rate Controller 2000, check the *Height Indicator* box on the Setup > Implement screen and select *Switch* on the *Height Setup* screen.

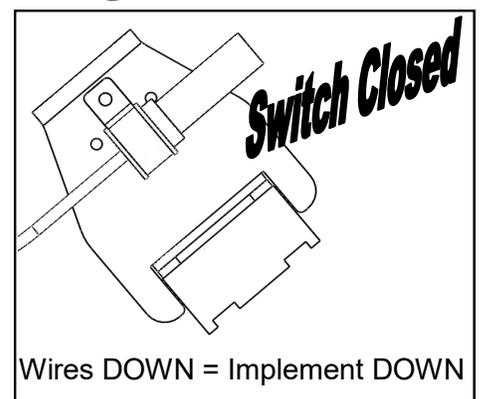


Height Switch Mounting



Mount the Run/Hold Switch on:

- 3 point arm if in use
- Wheel Frame or other component that changes angle when the implement lifts.



How to Test:

The height switch status is clearly displayed right next to the "Master" switch icon on the Deere display, as shown in the picture.

To test the run / hold mercury switch you will need a volt meter. Set the meter to test continuity (or ohms). With the wires down, you should have continuity between the two pins in the connector. With the wires up, the switch should be open (no continuity). You can use a short wire or paper clip to jump across the pins on the connector to test the wiring back to the controller and display.

How to Adjust:

If your controller is turning off product application before or after you want, tilt the switch. If it turns off after you want when lifting the implement, tip more to the UP position. If product application should begin sooner when you lower the implement, tip more to the DOWN position.



Arrow indicates implement up or down.



Height Switch on Sentinel

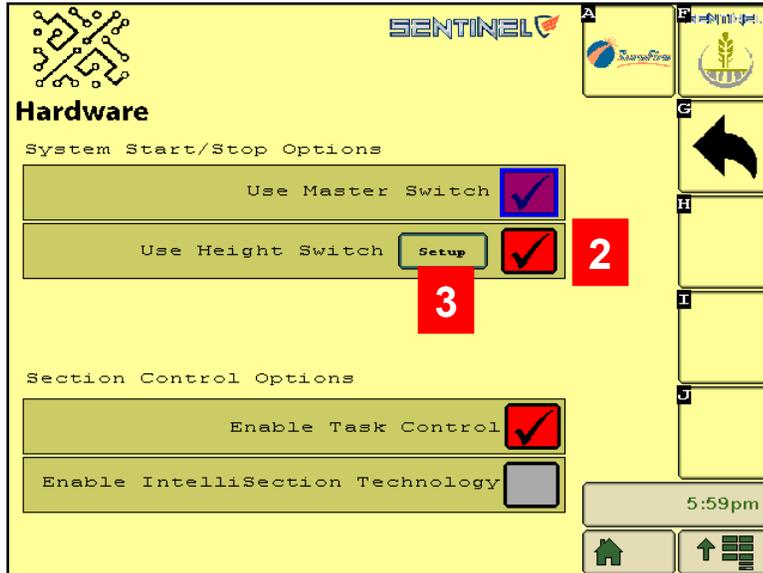
See the other side of this sheet for general information on how the switch works, how to mount it, how to test it, and how to adjust it.

Height Switch setup on Sentinel

(1) From the Sentinel Home screen, navigate to the **Hardware** screen.

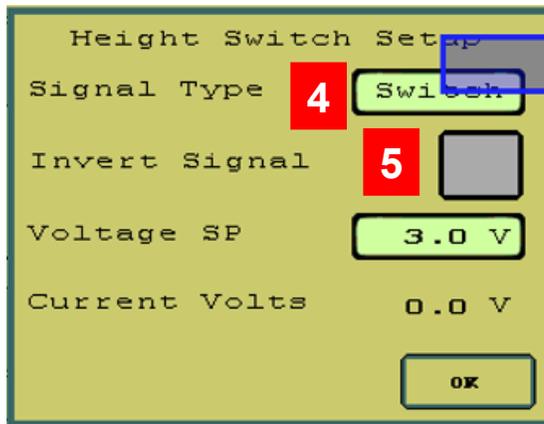


(2) Check the box for **Use Height Switch**.



(3) Press the **Setup** button.

(4) **Signal Type > Switch**



(5) **Invert Signal** - check this box if the screen shows the Implement is Down when it should be Up (or reorient the height switch on the implement).

(6) The position of the implement (Up or Down) will be shown by an arrow on the MASTER ON/OFF icon on the main Sentinel Run screen.



For some stationary testing, you may want to uncheck the **Use Height Switch** box so you don't have to lower the implement while testing.